

U.S. EPA NEW ENGLAND CENTER FOR ENVIRONMENTAL INDUSTRY AND TECHNOLOGY (CEIT)

July, 2004

Welcome to EnvirotechNews, a service provided by the Center for Environmental Industry and Technology (CEIT). This monthly newsletter contains information relevant to the environmental technology industry under the following headings: Government Funding Opportunities, Environmental Technology Verification (ETV) Opportunities, and Upcoming Events. Special issues of EnvirotechNews feature Technology Opportunities; this section offers the unique opportunity to connect with individuals or companies that may be looking for new solutions to specific environmental problems. We try to keep EnvirotechNews as brief as possible while providing information relevant to your needs.

GOVERNMENT FUNDING OPPORTUNITIES

ENVIRONMENTAL PROTECTION AGENCY

EPA STAR PROGRAM SEEKS PROPOSALS FOR PARTICULATE MATTER RESEARCH CENTERS. RESPONSES DUE 8/31/04. EPA requests proposals for Particulate Matter Research Centers to study priority issues related to airborne particulate matter. \$40 million expected to be available; up to 5 awards anticipated. Institutions of higher education and not-for-profit institutions located in the U.S., and tribal, state and local governments are eligible to apply. For more information, visit http://es.epa.gov/ncer/rfa/2004/2004_pm_research.html

DEPARTMENT OF DEFENSE

(New) DOD RELEASES SBIR 2004.3 SOLICITATION 7/1/04. CLOSES 8/12/04. The DoD agency components participating in this solicitation are: Army, Navy, DARPA, OSD and SOCOM. For more information and to download the solicitation, visit <http://www.acq.osd.mil/sadbu/sbir/solicitations/sbir043/>

DEPARTMENT OF ENERGY

DOE National Energy Technology Laboratory (NETL) uses the Industry Interactive Procurement System (IIPS) to post solicitations and amendments, receive proposals/applications, and disseminate award information. Entities wishing to participate in NETL solicitations will need to register at the IIPS website (<http://e-center.doe.gov>).

(Updated) DOE REQUEST PROPOSALS FOR CLEAN AND EFFICIENT INTERNAL COMBUSTION ENGINES, SOL# DE-PS26-04NT42099. RESPONSES DUE 7/26/04. The focus is on improving the efficiency of internal combustion engines while maintaining low emissions. Areas of interest: (1) Enabling technologies, components, methods, and fuels for high-efficiency clean combustion and (2) Utilization of the engine exhaust energy for useful work. \$30 to \$60 million expected to be available; 6 awards anticipated. For more information, contact Richard Rogus at rogus@netl.doe.gov or visit <http://www.pr.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/66a431c5efc9f18c85256e9e00609f04?OpenDocument>

DOE/NREL REQUESTS LETTER OF INTENT FOR THE THIN-FILM PHOTOVOLTAICS PARTNERSHIP PROGRAM, SOL# RXL-4-44205. RESPONSES DUE 7/9/04. For more information, contact Loretta Schmidt at the National Renewable Energy Laboratory (NREL) at (303) 384-7326 or visit http://www.nrel.gov/business_opportunities/solicitations_rfps.html

DOE SOLICITS APPLICATIONS FOR HYDROGEN FUEL RESEARCH, SOL# DE-FG01-04ER04-20. PRE-APPLICATIONS DUE 7/15/04. FINAL APPLICATIONS DUE 1/4/05. DOE Office of

Basic Energy Sciences announces its interest in receiving grant applications for projects on basic research for the Hydrogen Fuel Initiative (HFI). Areas of focus include: Novel Materials for Hydrogen Storage; Membranes for Separation, Purification, and Ion Transport; Design of Catalysts at the Nanoscale; Solar Hydrogen Production; and Bio-Inspired Materials and Processes. \$12 million expected to be available; multiple awards anticipated. For more information, visit <http://www.science.doe.gov/grants/Fr04-20.html>

DOE OFFICE OF SCIENCE OFFERS GRANTS, ANNUAL NOTICE DE-FG01-04ER04-02. RESPONSES ACCEPTED THROUGH 9/30/04. DOE announces its continuing interest in receiving grant applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing Research, Fusion Energy Sciences, Biological and Environmental Research, and Energy Research Analyses. For more information, contact Lori Jernigan at Lori.Jernigan@science.doe.gov or visit <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-04ER04-01/Grant.html>

DEPARTMENT OF AGRICULTURE

USDA ANNOUNCES AN EMERGENCY PILOT PROGRAM TO PROVIDE GUARANTEED LOANS FOR DEVELOPING RENEWABLE ENERGY SYSTEMS FROM THE USE OF DISEASED LIVESTOCK AS A PROCESS RAW MATERIAL FOR THE ENERGY SOURCE. RESPONSES DUE 8/16/04. This program supports Departmental efforts to address the risks associated with Mad Cow Disease. For more information, contact Diane Berger at (202) 720-1400.

(New) USDA ISSUES 2005 SBIR SOLICITATION 7/1/04. CLOSES 8/31/04. For more information, visit <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1128>

DEPARTMENT OF COMMERCE

DOC TECHNOLOGY ADMINISTRATION CALLS FOR NOMINATION FOR THE NATIONAL MEDAL OF TECHNOLOGY. NOMINATION CYCLE OPENED 5/3/04; CLOSES 7/28/04. The Medal is given annually to individuals, teams, and/or companies/divisions for their outstanding contributions to the U.S. economic, environmental and social well-being through the development and commercialization of technology products, processes and concepts; technological innovation; and development of technological manpower. For more information, visit <http://www.technology.gov/Medal/default.htm>

DEPARTMENT OF HEALTH AND HUMAN SERVICES

NIH, CDC, AND FDA OMNIBUS SBIR/STTR GRANTS SOLICITATION OPENS. CLOSES 8/1/04, AND 12/1/04. The NIH has announced the release of the PHS 2004-2 SBIR/STTR Grants Solicitation. This omnibus solicitation combines the offerings of the NIH SBIR/STTR, the CDC SBIR and the FDA SBIR programs. Due to the size and complexity of the NIH SBIR/STTR program, the NIH sponsors an annual conference specific to their program needs. The 6th Annual NIH SBIR/STTR Conference will be held in Bethesda, MD June 23-24, 2004. For more information, visit www.grants.nih.gov/grants/funding/sbir.htm

HHS FUNDING FOR BIOTERRORISM RESEARCH. The National Institute of Allergy and Infectious Diseases (NIAID) has funding opportunities for bioterrorism related research. These opportunities can be viewed at <http://www2.niaid.nih.gov/Biodefense/Research/funding.htm>

DEPARTMENT OF TRANSPORTATION

(New) DOT FEDERAL HIGHWAY ADMINISTRATION (FHA) REQUESTS INNOVATIVE SMALL RESEARCH PROJECTS FOR TRANSPORTATION PLANNING, SOL# DTFH61-04-RA-00004. RESPONSES DUE 7/27/04. FHA seeks to test and evaluate innovative methods and

new channels for technical transfer of research to key planning process stakeholders. Projects NTE \$100K each. For more information, contact Rick Murray at rick.murray@fhwa.dot.gov

GENERAL SERVICES ADMINISTRATION

GSA SEEKS TO REFRESH FEDERAL SUPPLY SCHEDULE. STANDING SOLICITATION WITH NO CLOSING DATE. GSA seeks to refresh the Building Materials Federal Supply Schedule which includes products in areas including but not limited to: Solar Energy Systems & Lighting Products; Pre-Engineered/Prefabricated Buildings and Structures; and Power Distribution Equipment. For more information, visit <http://www2.eps.gov/spg/GSA/FSS/7FX/7FCI%2DF8%2D03%2D0056%2DB/SynopsisP.html>

HOMELAND SECURITY ADVANCED RESEARCH PROJECTS AGENCY

(New) HSARPA ISSUES FY04.2 SBIR SOLICITATION. CLOSING 7/14/04. HSARPA plans to award approximately 30 Phase I awards and 10 Phase II awards to successful Phase I projects. For more information, visit <http://www.hsarpasbir.com/>

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(New) NASA INTENDS TO ISSUE SOLICITATION FOR LOW EMISSION ALTERNATIVE POWER RESEARCH, SOL# NRA-04-GRC-LEAP-01. EXPECTED RELEASE ON OR ABOUT 7/6/04. NASA announces its intent to request proposals for innovative and focused R&D in the following areas: 1) Fuel cell technologies addressing either conventional aircraft hydrocarbon fuels or hydrogen, 2) Hydrogen storage and feed systems for aircraft, and 3) Electric drive propulsion and power management for aircraft. For more information, visit <http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=110873>

(New) NASA ISSUES SBIR/STTR PRESOLICITATION NOTICE. SOLICITATION WILL OPEN 7/7/04 AND CLOSE 9/9/04. Although there will be only one solicitation which will combine both the SBIR and STTR components, the review, selection and award processes will be conducted separately for each program. For more information, visit <http://sbir.gsfc.nasa.gov/SBIR/SBIR.html>

STATE AND OTHER ORGANIZATIONS

(New) REQUEST FOR TECHNOLOGIES TO ADDRESS BIRDS AND BATS, AND POWER SYSTEMS. RESPONSES DUE 7/24/04. On behalf of the California Energy Commission, Public Interest Energy Research Environmental Area (PIEREA), the University of California, Santa Cruz Predatory Bird Research Group requests proposals for the Avian Energy System Mitigation Program. Research projects should address the development and application of methods and technologies for reducing avian/bat fatalities caused by electrocution and collisions with power structures. Approx. \$1 million available. For more information, contact Brian Walton at walton@ucsc.edu.

(New) THE ROBERT C. BYRD NATIONAL TECHNOLOGY TRANSFER CENTER EMERGENCY RESPONSE TECHNOLOGY (ERT) PROGRAM SEEKS EMERGENCY RESPONSE TECHNOLOGIES. ERT is interested in identifying emerging technologies with applications to the needs of the emergency response community, and in working with developers to commercialize these technologies. Areas of interest include: (1) Biological detection technologies that provide accurate real-time biological detection; (2) Spray solutions that can neutralize chemical and biological contaminants as well as provide a resistant barrier; (3) Colorimetric detection capabilities for all chemicals (biological, radiological, and particulates). For more information, visit http://www.nttc.edu/techmart/category.asp?type_id=2

(New) THE SACRAMENTO MUNICIPAL UTILITY DISTRICT HAS ISSUED A RENEWABLES POWER PURCHASE REQUEST, SOL# 040055.CJB. This request will help SMUD purchase

renewable electric capacity and energy and identify renewable projects to meet its Renewable Portfolio Standard goals and Greenergy® program requirements. For more information, visit <http://www.bids.smud.org/sys/user/Sys056.asp>

ETV VERIFICATION OPPORTUNITIES

Criteria for participating in the ETV program include a commercially available technology, a willingness to cost-share a portion of the testing costs, a willingness to participate in the study design process, and a commitment to deploy and operate the technology during the verification process. Program benefits to technology developers and vendors include a rigorous testing protocol and a data set collected under field conditions that establish performance; an opportunity to showcase your technology through a well-developed ETV information outreach program; and an accelerated regulatory acceptance of your technology. ETV has verified 263 technologies. For more information on ETV and their pilots, please visit: www.epa.gov/etv/

ADVANCED MONITORING SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS FOR THE FOLLOWING TESTS:

Nutrient monitors. Interested vendors should contact Rachel Sell, Battelle, at (614) 424-3579 or sellr@battelle.org.

Portable water detectors for arsenic - Third Round. For more information, contact Patricia White, Battelle, at (781) 952-5279 or whitepj@battelle.org.

Beach monitoring technologies. Interested vendors should contact Amy Dindal, Battelle, at (561) 422-0113 or dindala@battelle.org.

Biosensors. Interested vendors should contact Kathya Mahadevan, Battelle, at (614) 424-3197 or mahadevank@battelle.org.

Cyanide analyzers - second round. Interested vendors should contact Kathya Mahadevan, Battelle, at (614) 424-3197 or ormahadevank@battelle.org.

Mercury continuous emission monitors - third round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or kellyt@battelle.org.

Dioxin continuous emission monitors. Interested vendors should contact Ken Cowen, Battelle, at (614) 424-5547 or cowenk@battelle.org.

Multigas emission analyzers - second round. Interested vendors should contact Tom Kelly, Battelle, at (614) 424-3495 or kellyt@battelle.org.

Hydrogen sulfide monitors. Interested vendors should contact Stephanie Buehler, Battelle, at (614) 424-3495, or buehlers@battelle.org.

Multi-parameter water monitors for distribution systems. Interested vendors should contact Ryan James, Battelle, at (614) 424-7954 or jamesr@battelle.org

GREENHOUSE GAS TECHNOLOGY CENTER SOLICITS TECHNOLOGY VENDORS

The GHG Center, operated by Southern Research Institute, is soliciting vendors of the following technologies:

Oil and gas production technologies, including devices that capture and utilize or minimize releases of waste gas from natural gas and crude oil production processes, and advanced natural gas dehydration systems that produce little or no off-gas for flaring or emission to the atmosphere.

Improved engine and axle lubricants for heavy duty and light duty vehicles

that provide improvements in vehicle fuel economy.

Heavy duty diesel engine and auxiliary devices that provide improvements in fuel economy.

Technologies associated with distributed electrical generation (e.g., microturbines, fuel cells, stirling engines, reciprocating engines), including combined heat and power applications, and technologies using renewable fuels.

For more information on any GHC solicitation, please contact Stephen Piccot, SRI, at (919)806-3456 or piccot@sri-rtp.com.

DRINKING WATER SYSTEMS CENTER SOLICITS TECHNOLOGY VENDORS

The DWS Center, operated by NSF International, invites vendors to participate in verification tests of the following technologies:

Arsenic drinking water treatment technologies - third round. Interested vendors should contact Bruce Bartley, NSF, at (734)769-5148 or bartley@nsf.org.

Microbiological reduction or inactivation treatment technologies identified in the DRAFT LT2 ESWTR and needing State of California testing. For more information, contact Bruce Bartley, NSF, at (734) 769-5148 or bartley@nsf.org.

(New) Homeland security building protection treatment technologies - first round. For more information, contact Bruce Bartley, NSF, at (734) 769-5148 or bartley@nsf.org.

ETV STAKEHOLDER MEETINGS

For information on upcoming stakeholder meetings, please visit the ETV web site: <http://www.epa.gov/etv/calendar/current.html>

UPCOMING EVENTS

The monthly issue of EnvirotechNews normally contains events listed under this section; however, the events have been deleted for this web site version. If you are interested in receiving information about events on a monthly basis, subscribe to the EnvirotechNews listserver to receive it automatically.

JOINING ENVIROTECHNEWS

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For more information on the Center for Environmental Industry and Technology, please visit our Web Site at www.epa.gov/ne/assistance/ceit.

We hope that you will find this service to be helpful and informative, and look forward to hearing from you. Comments and suggestions are encouraged and can be e-mailed to the listserve.

Thank you,

Maggie Theroux